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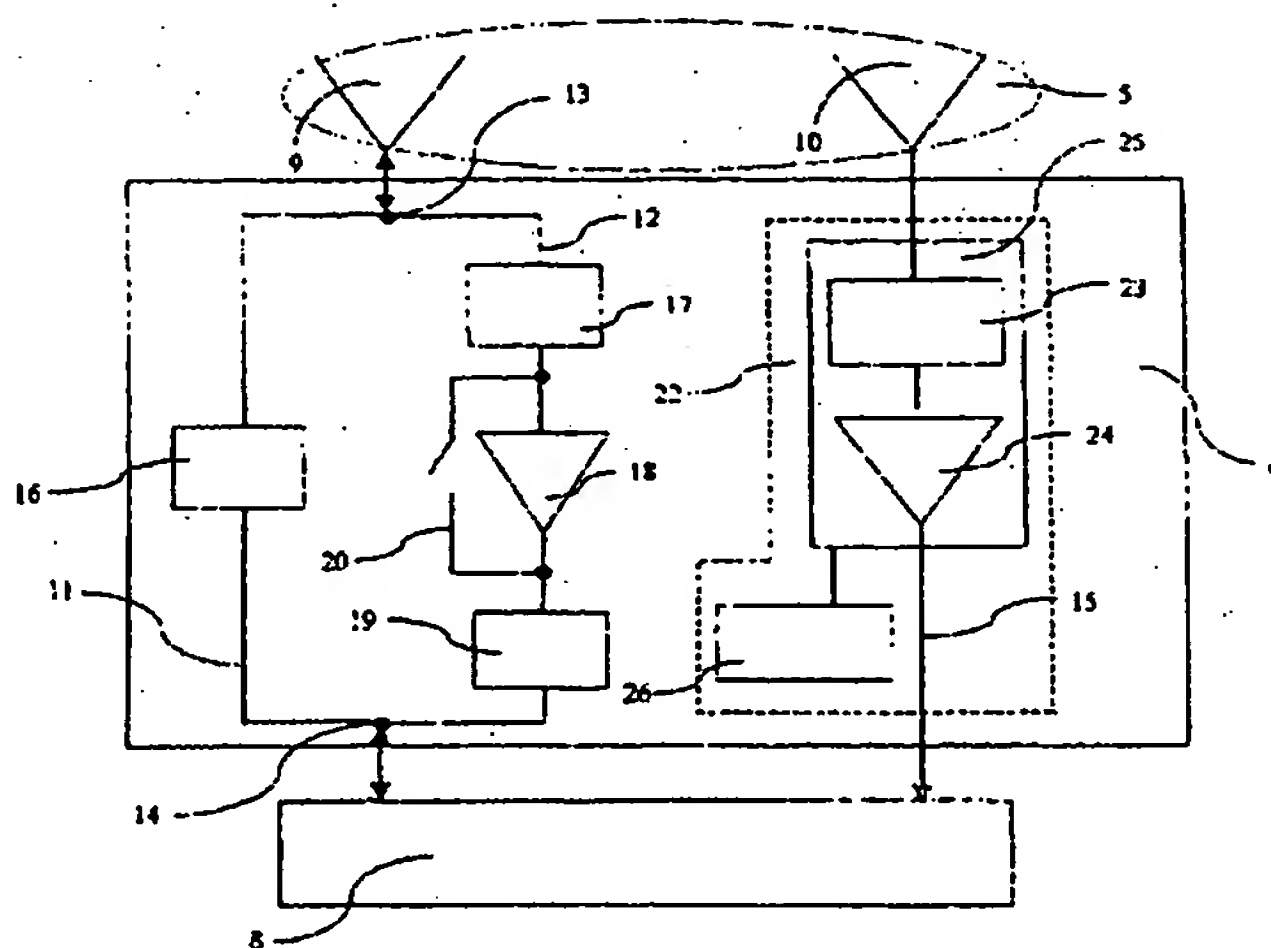
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(54) Title: HIGHLY RELIABLE RECEIVER FRONT-END



(57) Abstract: A receiver front-end (6) for use in a transceiver station (3) of a wireless communication network (1), said transceiver station (3) being associated to an antenna assembly (5) comprising a primary and at least a secondary antenna (9, 10). The receiver front-end (6) is adapted for insertion between said antenna assembly (5) and signal processing sections (8) of said transceiver station (3). The receiver front-end (6) includes a primary and at least a secondary receiving branch (12, 15), said primary receiving branch (12) being adapted for coupling to said primary antenna (9) and to said signal processing sections (8) of said transceiver station (3) and said secondary receiving branch (15) being adapted for coupling to said secondary antenna (10) and to said signal processing sections (8). According to the present invention, said primary receiving branch (12) comprises non-superconducting components, including at least a non-superconducting filter (17) while said secondary receiving branch (15) comprises at least a superconducting component.

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WO 2005/006578 A1



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